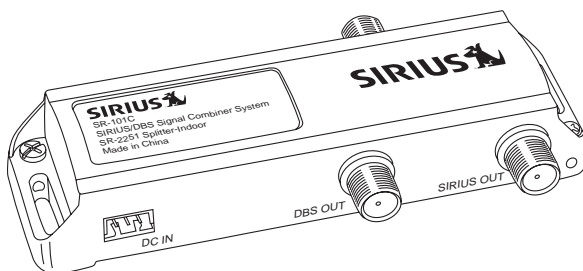
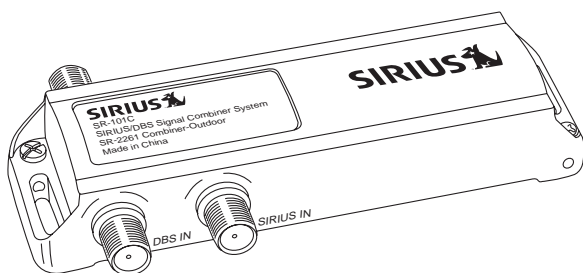


# SIRIUS<sup>®</sup>

## SATELLITE RADIO

THE BEST RADIO ON RADIO<sup>™</sup>



## Home Signal Distribution Kit for Satellite TV Plus SIRIUS

*For Use With a Single SIRIUS Radio*

Installation Guide

## Thank you for purchasing the Home Signal Distribution Kit for Satellite TV Plus SIRIUS

The Home Signal Distribution Kit for Satellite TV Plus SIRIUS allows you to combine your Dish Network® or DIRECTV® signal with the SIRIUS® signal into one RG-6 cable, avoiding the necessity of installing a separate cable from the SIRIUS antenna to the SIRIUS radio. Instead, both the satellite TV signal and SIRIUS signal are combined together outdoors near the satellite TV dish. Inside the home at a convenient location, the combined signal is split back into two separate signals.

The SIRIUS outdoor antenna is a high-performance antenna, specifically designed to receive signals from the SIRIUS satellites and terrestrial (ground) transmitters when mounted outdoors on a home or other building, wall, pole, or roof. The antenna has been approved by Sirius Satellite Radio to receive the SIRIUS signal under a variety of conditions within the SIRIUS North American coverage area.

**Installation of the Combiner and Splitter requires experience in mechanical and electrical procedures. Review this installation manual before beginning the installation process. If you are not comfortable or experienced with the installation procedures, SIRIUS recommends that you have a professional install the kit and wiring for you.**

The antenna should be mounted according to the instructions in this manual to ensure the best quality reception of the SIRIUS signal. All necessary mounting hardware for a variety of mounting options is included with this kit.

In this installation guide, Direct Broadcast System is abbreviated as DBS and refers to the satellite TV system, either Dish Network or DIRECTV.

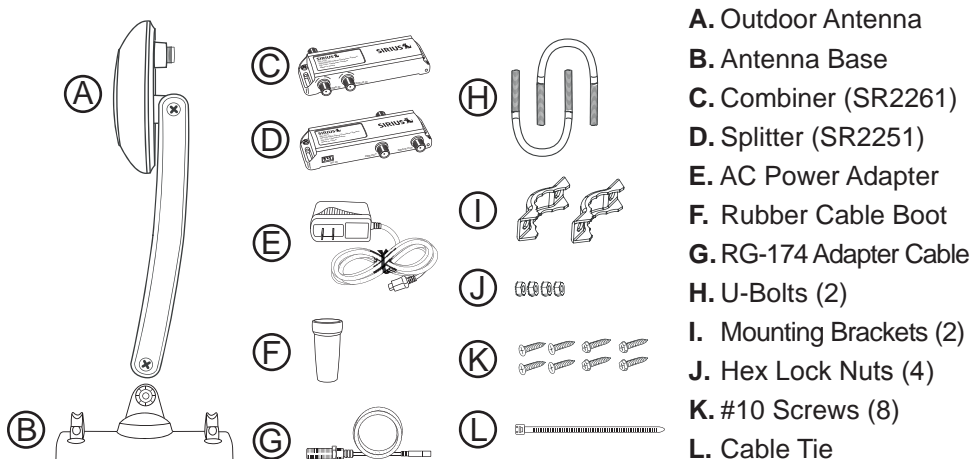
For the latest information about this and other SIRIUS products, please visit <http://www.sirius.com>.

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## Box Contents

Open the box and verify that all the items shown below are included with the kit. If any items are missing, please contact your dealer or retailer immediately. Keep your purchase receipt and the packaging materials should you need to return or ship the kit.



## Tools Required

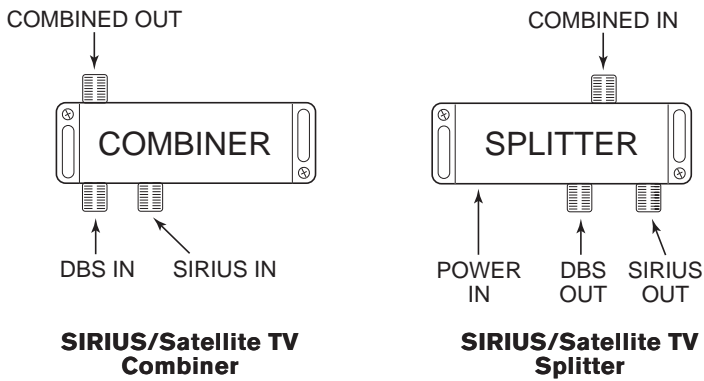
A phillips-type screwdriver and a 3/8 in. wrench is needed for installation. Depending upon the type of installation, a power drill with a 3/32 in. drill bit may also be required.

## Caution and Warnings

**WARNING:** Be sure not to cut, damage, or puncture the external jacket of the cables during the installation procedure. Damage to the cables can cause the SIRIUS or Satellite TV signal to be degraded or unavailable, and can also cause water to intrude into the cable causing the cable to fail.

# Combiner and Splitter Port Identification

For a successful installation, the various cables used in the installation process described later in this manual must be connected to the correct ports on the Combiner and Splitter. The following illustration identifies the ports on each device. This diagram should be used for reference during installation.

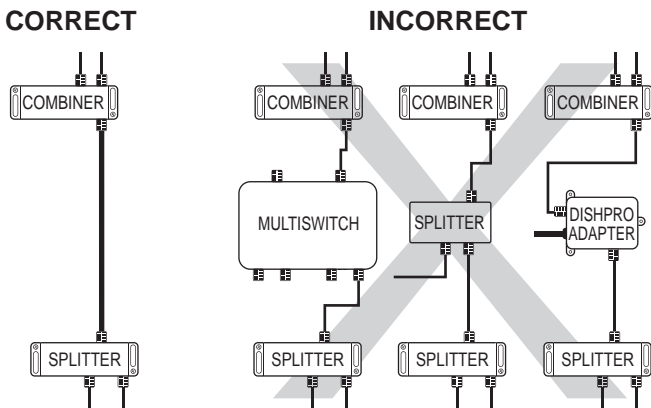


## Installation Considerations

### Multiswitches, Signal Splitters, DishPro Adapters

If your satellite TV system is using multiswitches, signal splitters, DishPro adapters (DISH Network), or other device, all these devices will prevent the SIRIUS signal from passing through them, therefore the SIRIUS signal cannot be combined with the satellite TV signal when passing through these devices. Instead, the SIRIUS signal and satellite TV signal have to be both combined and split either before or after these devices.

Stated in the simplest terms, between the Combiner and the Splitter, there can only be an uninterrupted length of RG-6 cable as shown in the following illustration.



# Installation Overview

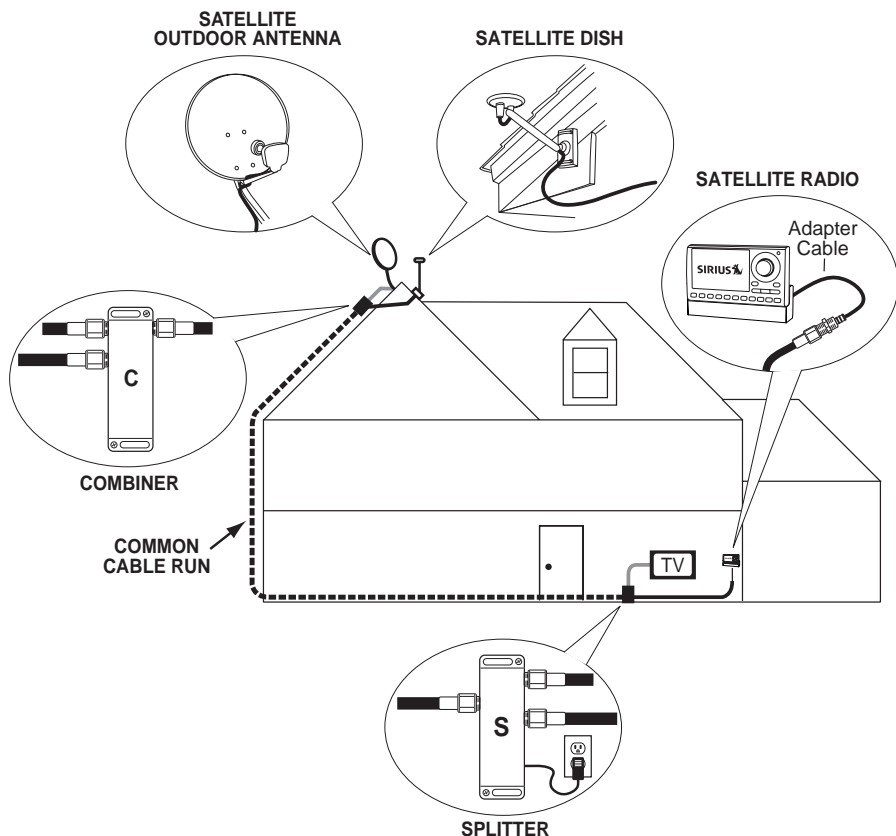
Depending upon your particular configuration, you may decide to combine the satellite TV and SIRIUS signals on the roof near the satellite TV dish, or if a multiswitch is present, to combine the signals before or after the multiswitch. The following sections explain the various configurations:

- **Simple Configuration:** Your satellite TV system has a single LNB and no multiswitch (page 7).
- **Before Multiswitch Configuration:** Your satellite TV system uses a multiswitch and the Combiner/Splitter will be installed before the multiswitch (page 10).
- **After Multiswitch Configuration (Multiswitch Located on the Roof):** Your satellite TV system uses a multiswitch which is located on the roof of the house (either integrated into the dish or external) and the Combiner/Splitter will be installed after the multiswitch (page 13).
- **After Multiswitch Configuration (Multiswitch Located Indoors):** Your satellite TV system uses a multiswitch which is located inside the house and the Combiner/Splitter will be installed after the multiswitch (page 17).

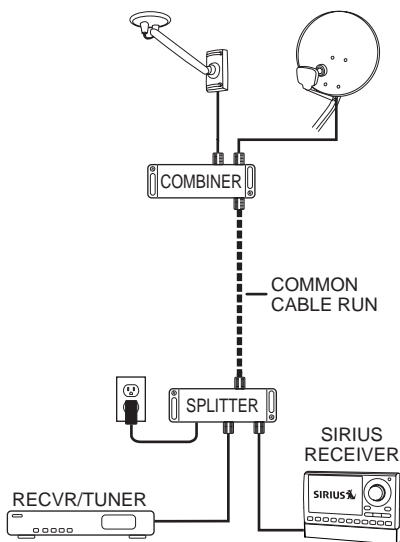
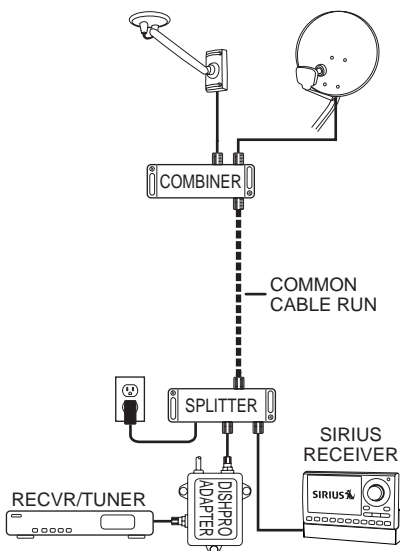
Read through the following section that pertains to your configuration before beginning installation.

## Simple Configuration (Single LNB, No Multiswitch)

A simple configuration without a multiswitch might look like the following illustration. The SIRIUS signal and the satellite TV signal are combined into one and use the existing satellite TV cable run from the roof all the way into the room inside the home where the SIRIUS radio and satellite TV receiver are located. The signals are then split and connected to each device. The benefit of the SIRIUS Combiner/Splitter in this scenario is avoiding having to run an additional cable for the SIRIUS radio from the roof all the way into a room in the interior of the home.

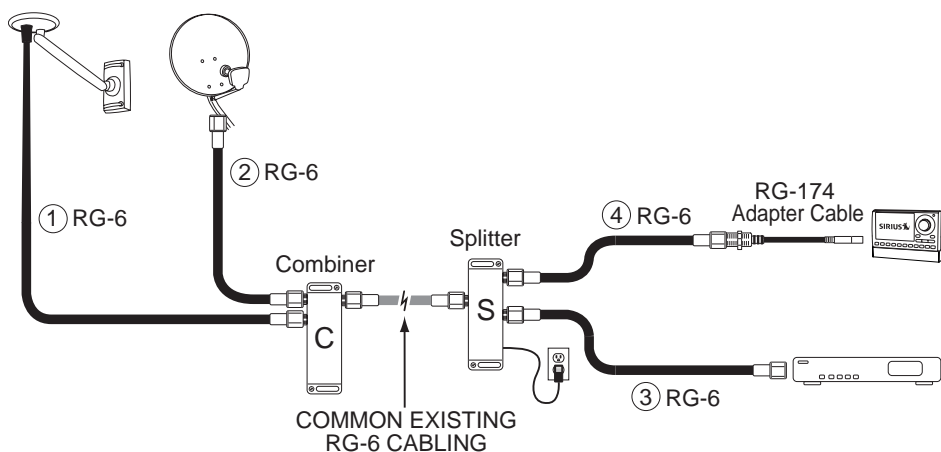


The next diagram shows the same configuration. Note that in the common cable run between the Combiner and Splitter there are no devices such a splitter or DishPro Adapter. If a DishPro adapter is needed, it must be installed after the Splitter as shown.

**WITHOUT DISHPRO ADAPTER:****WITH DISHPRO ADAPTER:****Materials Required**

In order to install the SIRIUS antenna and the Combiner and Splitter, you will need to purchase several lengths of RG-6 cables to complete your installation. The length of the cables needed is dependent upon your particular configuration. RG-6 cable is typically sold in lengths of 10, 25, or 50 ft., with "F" type connectors on each end. These cables may be purchased at your local hardware store, home center, or electronics retailer.

The cables which must be purchased are depicted in the following illustration as solid black and are numbered, while existing cables are shown as gray.





The following tables provide maximum overall cable runs and suggested maximum cable lengths. Maximum lengths for the overall cable runs must be observed. (The actual cable runs in your installation may be less than the maximum lengths shown.)

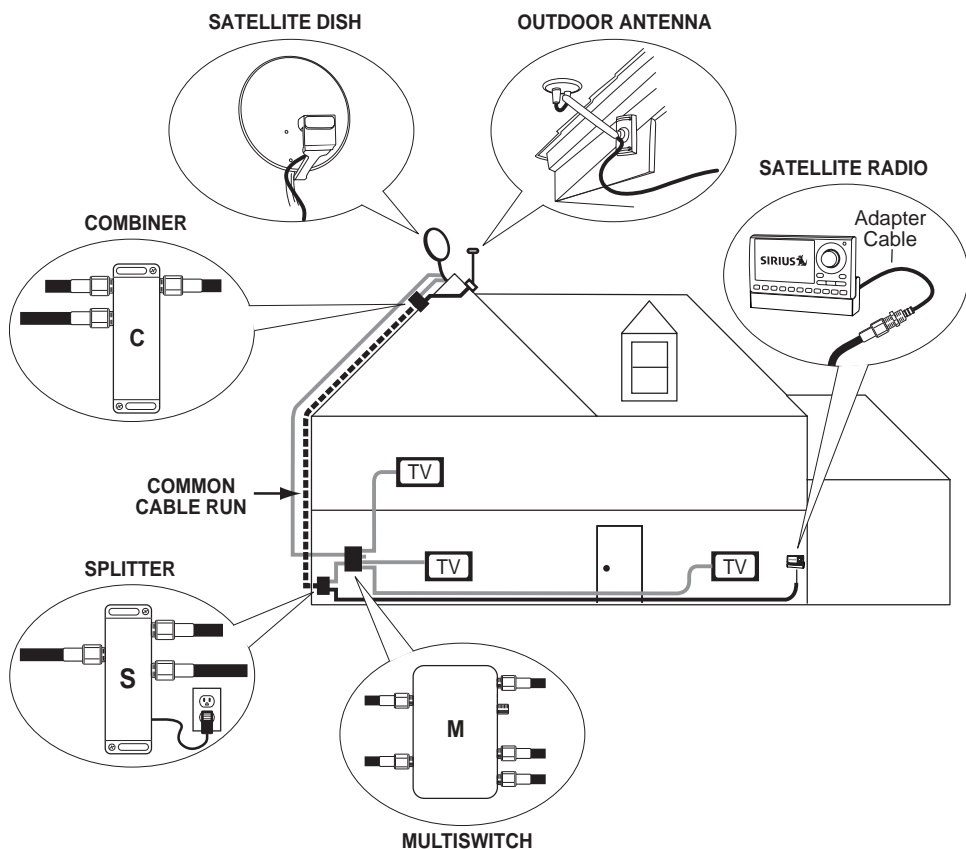
Overall Cable Run		Maximum Length
<b>SIRIUS:</b> Cable No. 1 + Common + Cable No. 4 =		250 feet
<b>Satellite TV Select:</b>	<b>Typical Satellite TV:</b> Cable No. 2 + Common + Cable No. 3 =	200 feet
	<b>Dish Network using Legacy Receiver/Tuner with DishPro Adapter:</b> Cable No. 2 + Common + Cable No. 3 =	100 Feet

Cable No.	Cable Description	Suggested Maximum Length
1	SIRIUS Antenna to Combiner	50 feet
2	Satellite TV LNB to Combiner	25 feet
Common	Existing Cable - Combiner to Splitter	150 feet
3	Splitter to satellite TV Receiver/Tuner	25 feet
4	Splitter to SIRIUS RG-174 Adapter Cable	50 feet

## Before Multiswitch Configuration

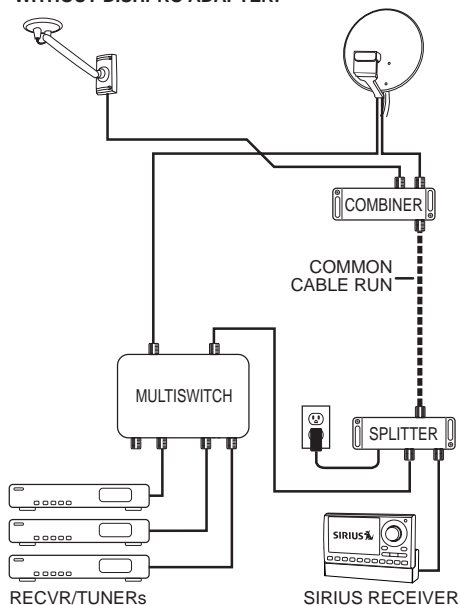
This configuration is only used when the multiswitch is not located on the roof. In this configuration the SIRIUS signal and the satellite TV signal are combined on one common cable on the roof. The combined signal is then carried from the roof to the multiswitch where the signal is split back into separate signals before the multiswitch. The benefit of the SIRIUS Combiner/Splitter in this installation is avoiding having to run an additional cable for the SIRIUS radio from the roof to the interior of the home.

The following illustration shows the installation of the Combiner/Splitter before the multiswitch.

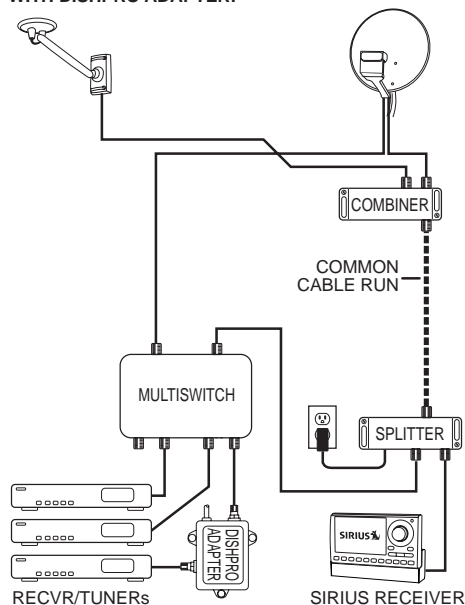


The next diagram shows the same configuration. Note that in the common cable run between the Combiner and Splitter, there are no devices such as a splitter or DishPro Adapter.

## WITHOUT DISHPRO ADAPTER:



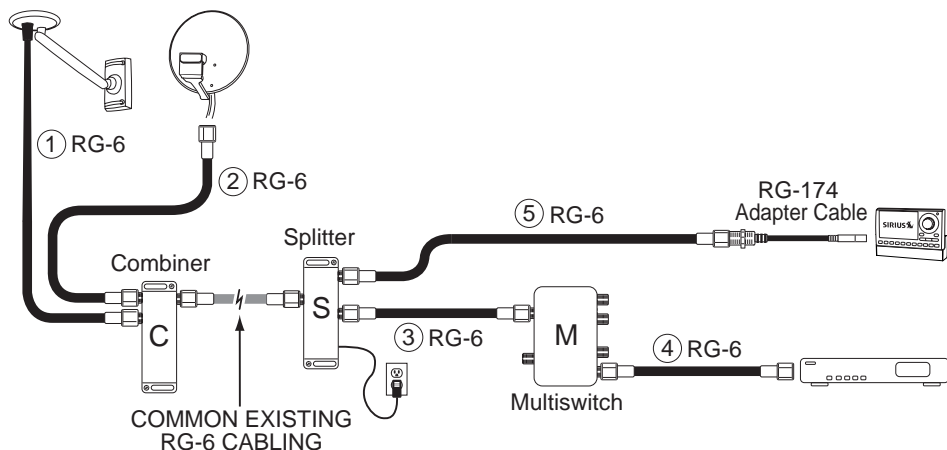
## WITH DISHPRO ADAPTER:



## Materials Required

In order to install the SIRIUS antenna and the Combiner and Splitter, you will need to purchase several lengths of RG-6 cables to complete your installation. The length of the cables needed is dependent upon your particular configuration. RG-6 cable is typically sold in lengths of 10, 25, or 50 ft., with "F" type connectors on each end. These cables may be purchased at your local hardware store, home center, or electronics retailer.

The cables which must be purchased are depicted in the following illustration as solid black and are numbered, while existing cables are shown as gray.



The following tables provide maximum overall cable runs and suggested maximum cable lengths. Maximum lengths for the overall cable runs must be observed. (The actual cable runs in your installation may be less than the maximum lengths shown.)

Overall Cable Run		Maximum Length
<b>SIRIUS:</b> Cable No. 1 + Common + Cable No. 5 =		250 feet
<b>Satellite TV Select:</b>	<b>Typical Satellite TV:</b> Cable No. 2 + Common + Cable No. 3 =	200 feet
	<b>Dish Network using Legacy Receiver/Tuner with DishPro Adapter:</b> Cable No. 2 + Common + Cable No. 3 =	100 Feet

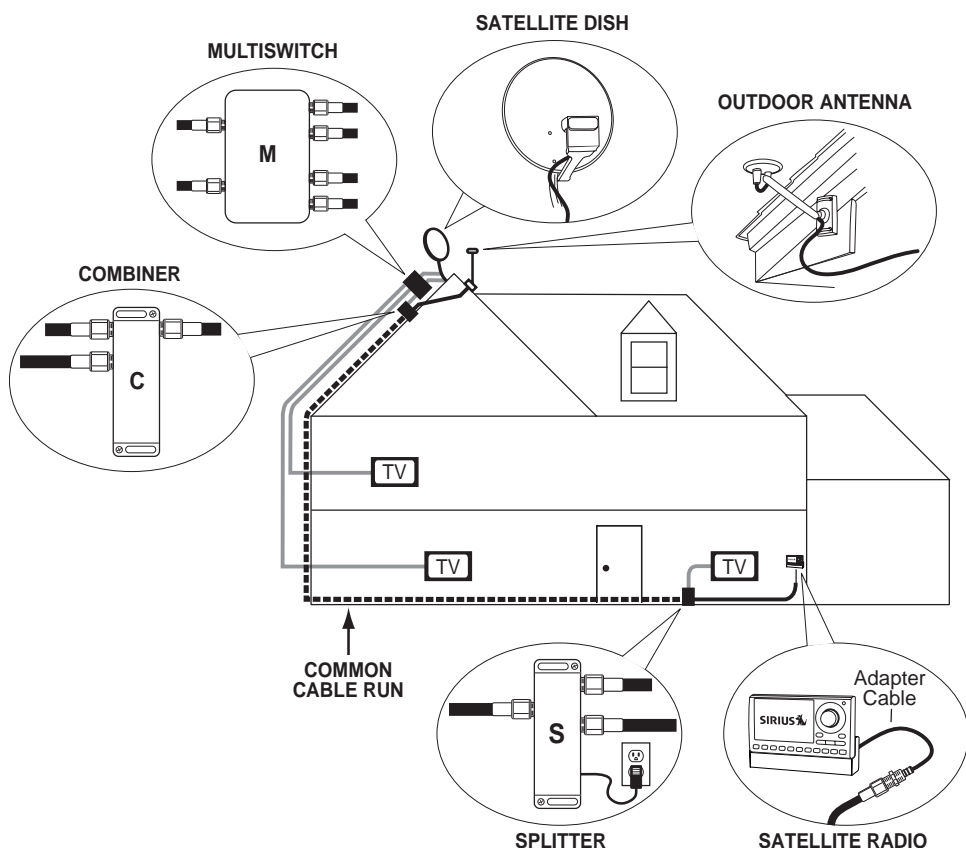
Cable No.	Cable Description	Suggested Maximum Length
1	SIRIUS Antenna to Combiner	50 feet
2	satellite TV LNB to Combiner	15 feet
Common	Existing Cable - Combiner to Splitter	150 feet
3	Splitter to Multiswitch	10 feet
4	Multiswitch to satellite TV Receiver/Tuner	25 feet
5	Splitter to SIRIUS RG-174 Adapter Cable	50 feet

## After Multiswitch Configuration (Multiswitch on the Roof)

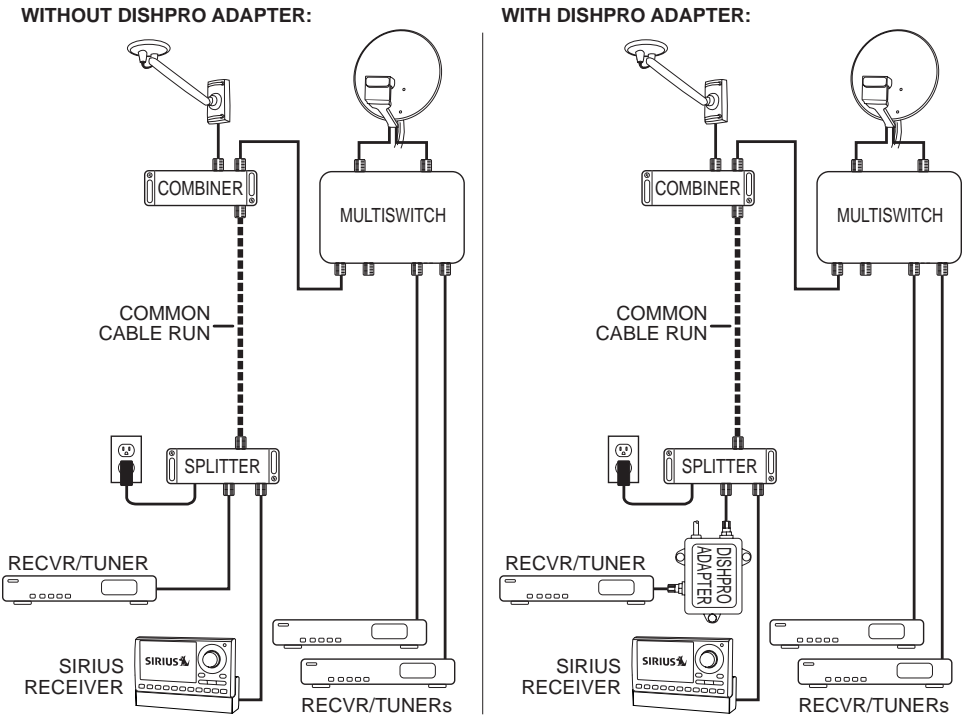
When the multiswitch is located on the roof (either integrated in the satellite dish or externally mounted), the SIRIUS signal and satellite TV signal from the output of the multiswitch are combined on one common cable. The combined signal is carried from the roof all the way into the room inside the home where the SIRIUS radio and satellite TV receiver/tuner are located, where the signals are then split and connected to each device. The benefit of the SIRIUS Combiner/Splitter in this scenario is avoiding having to run an additional cable for the SIRIUS radio from the roof all the way into a room in the interior of the home.

When installing the Combiner and Splitter after the multiswitch, you will have to determine which satellite TV cable from the multiswitch feeds the room where you want to locate your SIRIUS radio.

The following illustration shows the installation of the Combiner/Splitter after the multiswitch on the roof.



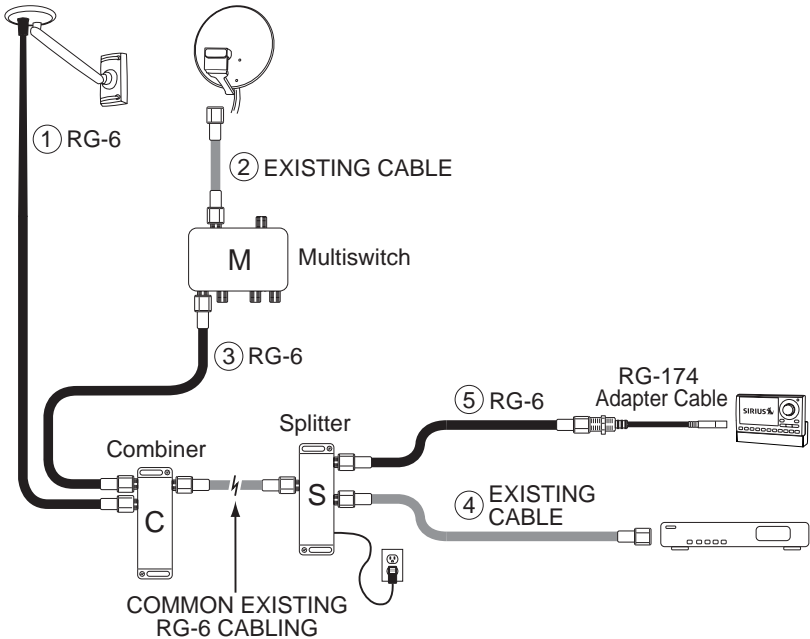
The next diagram shows the same configuration as the previous illustration. You can see that one *output* of the multiswitch is connected to the input of the Combiner, and that there are no devices such a splitter or DishPro adapter in the common cable run between the Combiner and Splitter. If a DishPro adapter is needed, it must be installed after the Splitter as shown.



**Materials Required**

In order to install the SIRIUS antenna and the Combiner and Splitter, you will need to purchase several lengths of RG-6 cables to complete your installation. The length of the cables needed is dependent upon your particular configuration. RG-6 cable is typically sold in lengths of 10, 25, or 50 ft., with “F” type connectors on each end. These cables may be purchased at your local hardware store, home center, or electronics retailer.

The cables which must be purchased are depicted in the following illustration as solid black and are numbered, while existing cables are shown as gray.



The following tables provide maximum overall cable runs and suggested maximum cable lengths. Maximum lengths for the overall cable runs must be observed. (The actual cable runs in your installation may be less than the maximum lengths shown.)

Overall Cable Run		Maximum Length
<b>SIRIUS:</b> Cable No. 1 + Common + Cable No. 5 =		250 feet
<b>Satellite TV Select:</b>	<b>Typical Satellite TV:</b> Cable No. 2 + Common + Cable No. 3 =	200 feet
	<b>Dish Network using Legacy Receiver/Tuner with DishPro Adapter:</b> Cable No. 2 + Common + Cable No. 3 =	100 Feet

Cable No.	Cable Description	Suggested Maximum Length
1	SIRIUS Antenna to Combiner	50 feet
2	Existing Cable - Satellite TV LNB to Combiner (This cable is not present if the Multiswitch is integrated into the satellite TV satellite dish.)	10 feet
3	Multiswitch to Combiner	15 feet
Common	Existing Cable - Combiner to Splitter	150 feet
4	Existing Cable - Splitter to Satellite TV Receiver/ Tuner	25 feet
5	Splitter to SIRIUS RG-174 Adapter Cable	50 feet



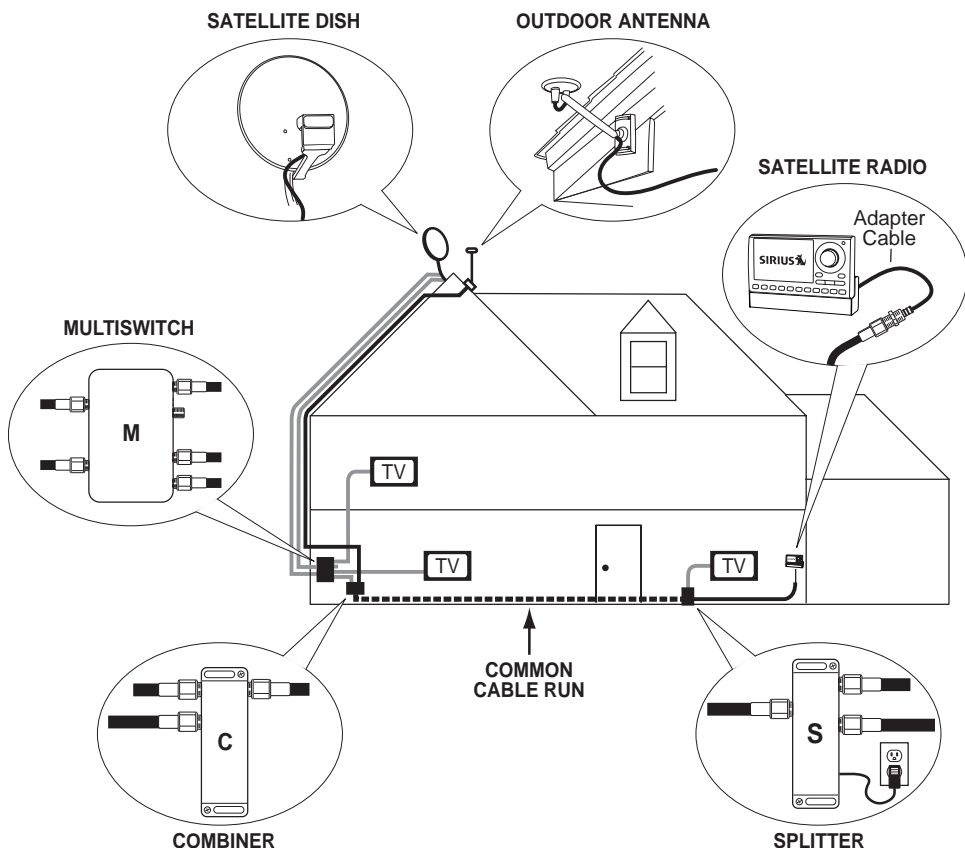
## After Multiswitch Configuration (Multiswitch Inside the Home)

When the multiswitch is located inside the home, a cable from the SIRIUS antenna needs to be installed and run to the vicinity of the multiswitch inside the home. There the SIRIUS signal and satellite TV signal from the output of the multiswitch are combined on one common cable. The combined signal is carried all the way into the room where the SIRIUS radio and satellite TV receiver/tuner are located, where the signals are then split and connected to each device. The benefit of the SIRIUS Combiner/Splitter in this scenario is avoiding having to run an additional cable for the SIRIUS radio through the interior of the home.

When installing the Combiner and Splitter after the multiswitch, you will have to determine which satellite TV cable from the multiswitch feeds the room where you want to locate your SIRIUS radio.

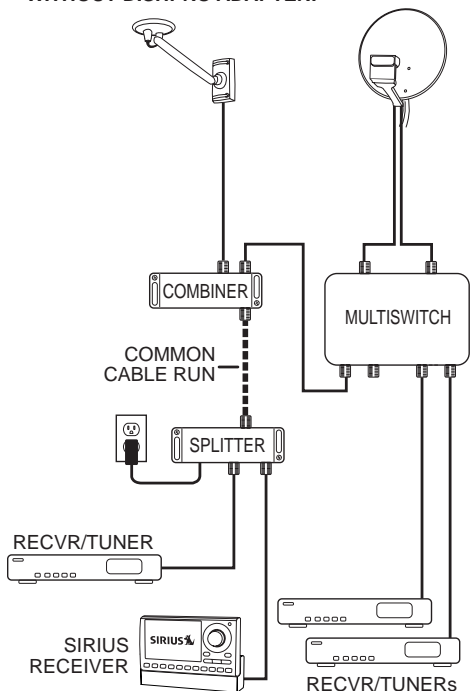
The following illustration shows the installation of the Combiner/Splitter after the multiswitch inside the home.

### MULTISWITCH INSIDE HOME

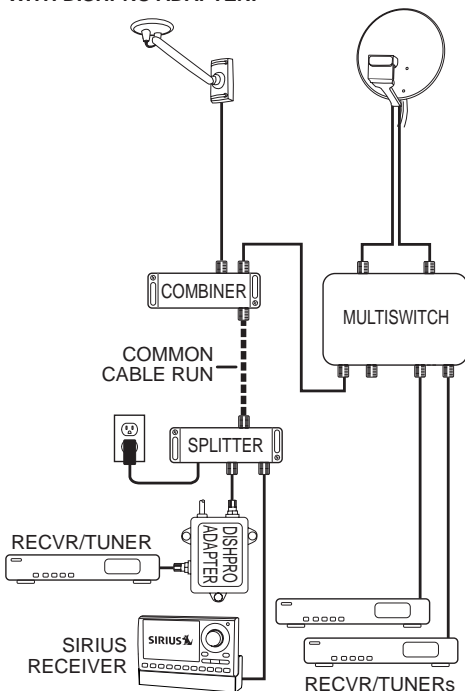


The next diagram shows the same configuration as the previous illustration. You can see that one *output* of the multiswitch is connected to the input of the Combiner, and that there are no devices such a splitter or DishPro adapter in the common cable run between the Combiner and Splitter. If a DishPro adapter is needed, it must be installed after the Splitter as shown.

**WITHOUT DISHPRO ADAPTER:**



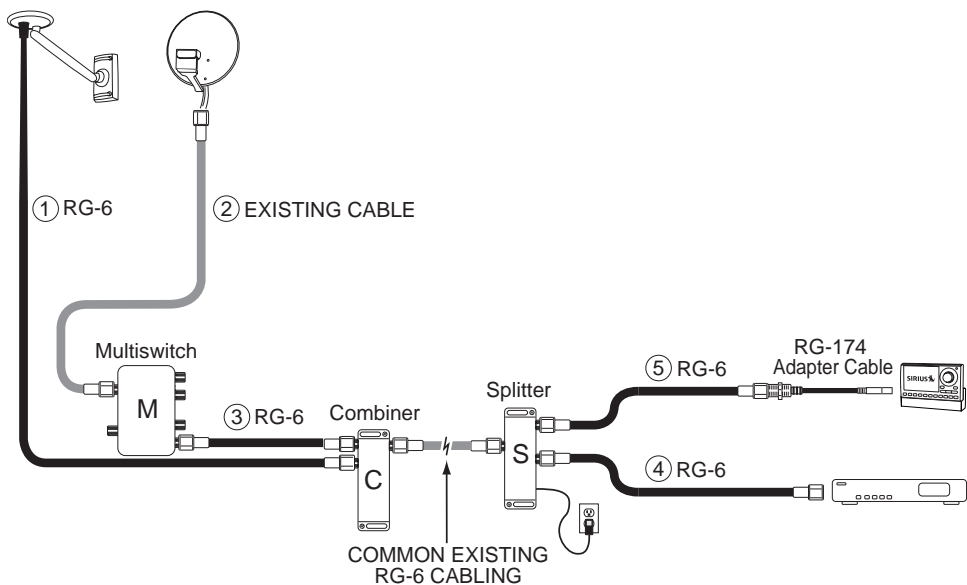
**WITH DISHPRO ADAPTER:**



### Materials Required

In order to install the SIRIUS antenna and the Combiner and Splitter, you will need to purchase several lengths of RG-6 cables to complete your installation. The length of the cables needed is dependent upon your particular configuration. RG-6 cable is typically sold in lengths of 10, 25, or 50 ft., with "F" type connectors on each end. These cables may be purchased at your local hardware store, home center, or electronics retailer.

The cables which must be purchased are depicted in the following illustration as solid black and are numbered, while existing cables are shown as gray.



The following tables provide maximum overall cable runs and suggested maximum cable lengths. Maximum lengths for the overall cable runs must be observed. (The actual cable runs in your installation may be less than the maximum lengths shown.)

Overall Cable Run		Maximum Length
<b>SIRIUS:</b> Cable No. 1 + Common + Cable No. 5 =		250 feet
<b>Satellite TV Select:</b>	<b>Typical Satellite TV:</b> Cable No. 2 + Common + Cable No. 3 =	200 feet
	<b>Dish Network using Legacy Receiver/Tuner with DishPro Adapter:</b> Cable No. 2 + Common + Cable No. 3 =	100 Feet

Cable No.	Cable Description	Suggested Maximum Length
1	SIRIUS Antenna to Combiner	100 feet
2	Existing Cable - Satellite TV LNB to Multiswitch	100 feet
3	Multiswitch to Combiner	15 feet
Common	Existing Cable - Combiner to Splitter	75 feet
4	Splitter to satellite TV Receiver/Tuner	10 feet
5	Splitter to SIRIUS RG-174 Adapter Cable	50 feet

# Installation Procedures

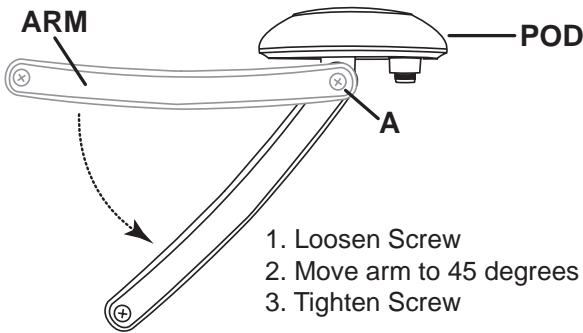
This installation section is broken into several sections. The first section describes how to install the SIRIUS antenna and is the same for all configurations. After installing the antenna, follow the Combiner/Splitter installation procedure section for your particular configuration.

## SIRIUS Antenna Installation Procedure

A successful antenna installation consists of four steps: **First**, assembling the antenna; **Second**, determining a location for the antenna; **Third**, choosing a mounting option; and **Fourth**, adjusting and aiming the antenna. Please read the following four sections before beginning the antenna installation so that you understand the entire installation process.

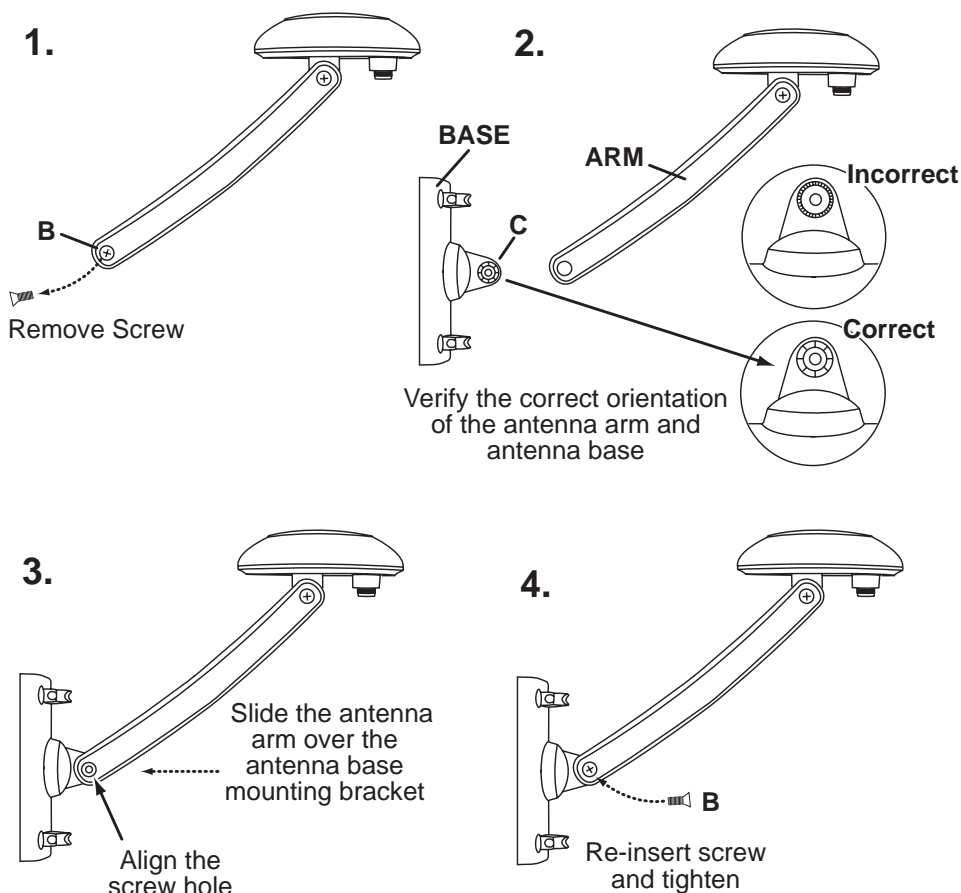
### 1. Assembling the Antenna

The antenna arm should be temporarily adjusted to be at a 45 degree angle relative to the antenna pod. To adjust the position of the arm, refer to the following figure and loosen screw **A** until the arm can be moved. Adjust the arm so that it's at a 45 degree angle and then tighten screw **A**.



Next, the antenna arm with the pod needs to be attached to the antenna base. Refer to the following figure and attach the antenna arm to the antenna base:

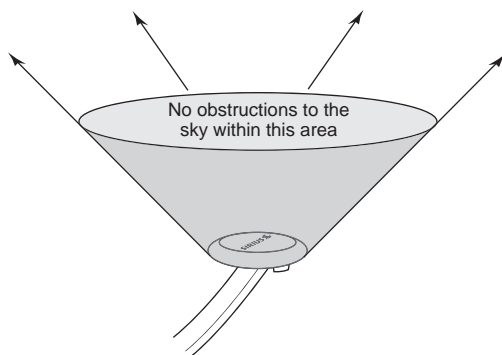
1. Use a phillips screwdriver to remove the screw **B** from the antenna arm.
2. The mounting bracket **C** on the antenna base has two sides. Before you slide the antenna arm over the mounting bracket **C**, be sure the antenna arm and antenna base are in the correct orientation as shown.
3. When correctly oriented, slide the antenna arm over the mounting bracket **C** on the antenna base and align the screw holes in the mounting bracket with the screw hole in the antenna arm.
4. When the screw hole is aligned, re-insert screw **B** and snug it until it is tight.



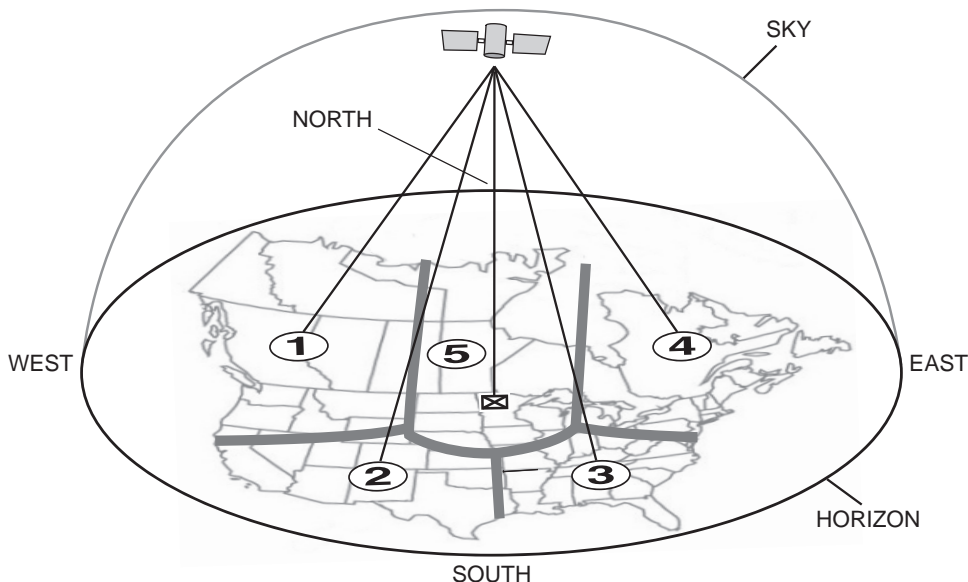
## 2. Determining a Location for the Antenna

For correct operation and best reception of the SIRIUS signal, it is important that the outdoor antenna is located in a place where it will have a clear view of the SIRIUS satellites in the sky. Obstructions such as bushes, trees, other homes or buildings, overhangs, soffits, chimneys, gables, dormers, etc., will impair or prevent the antenna from receiving a signal.

The best reception is obtained if the pod portion of the antenna (where the SIRIUS logo is printed) has a clear 360 degree view of the sky within the cone-shaped area shown in the following illustration.



If you cannot obtain a clear 360 degree view of the sky, then you must at least have a clear view of the sky in the direction of the SIRIUS satellites, as shown in the following map diagram.



Use the above map and find the area you are located in (1 to 5). Then find the direction in which you need to have a clear view of the sky:

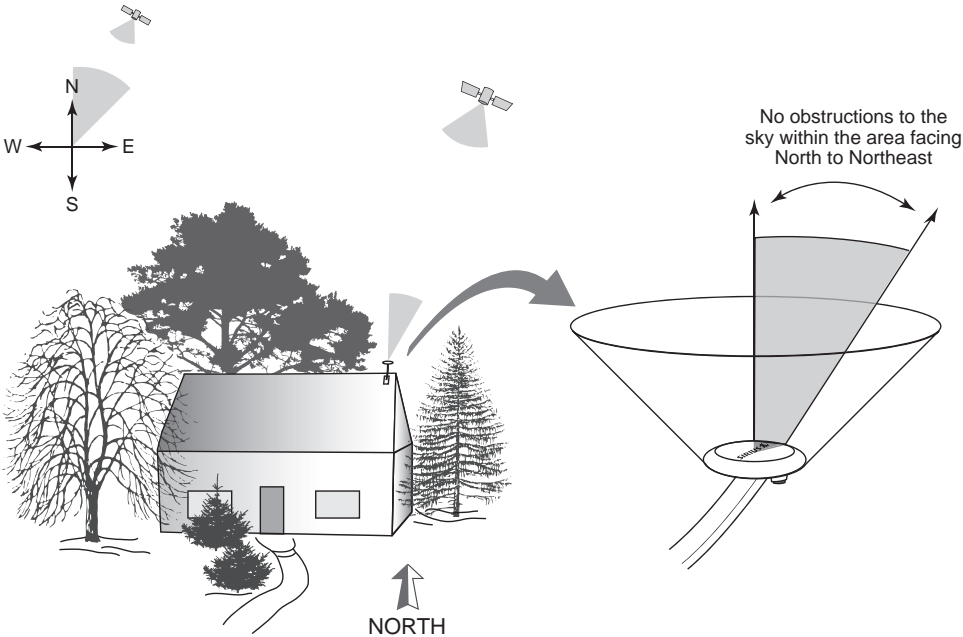
- Area 1:** You will need a location with a clear view of the sky facing **EAST** or **NORTHEAST** or **SOUTHEAST**
- Area 2:** You will need a location with a clear view of the sky facing **NORTH** or **NORTHEAST**
- Area 3:** You will need a location with a clear view of the sky facing **NORTH** or **NORTHWEST**
- Area 4:** You will need a location with a clear view of the sky facing **WEST** or **NORTHWEST** or **SOUTHWEST**
- Area 5:** You will need a clear view of the sky facing **STRAIGHT UP**

Choose a mounting location for the antenna which has an unobstructed view of

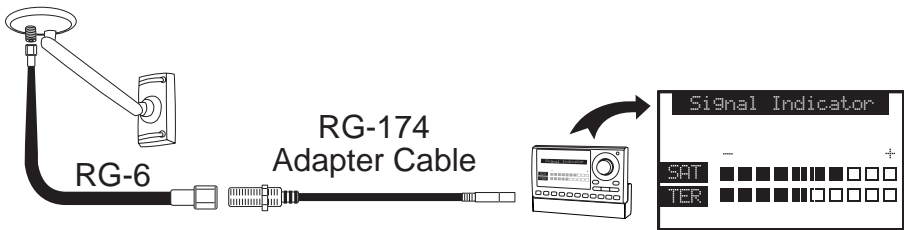
the sky in the direction for your area.

For example, suppose you live in **Area 2**. You determined that your antenna will need to have a clear view of the sky facing **North** or **Northeast**. The exact direction is determined by your specific location in **Area 2** relative to the **X** on the map: If you live in **Texas**, you will need a more **North** facing clear view of the sky whereas if you live in **southern California**, you will need a more **Northeast** facing clear view of the sky.

The following illustration shows a correct antenna installation for **Area 2**, with a clear view of the sky in the **North to Northeast** direction.



Once you have determined a possible mounting location for your area, it is recommended that you put the antenna in place temporarily and connect the antenna to your SIRIUS radio as shown in the following illustration. Using the Antenna Aiming or Signal Indicator feature of your radio, verify that your antenna is receiving a good SIRIUS signal. (Consult the user guide of the radio for specific instructions.)



### 3. Antenna Mounting Options

There are three possible mounting options for the outdoor antenna, and the antenna mounting location you have chosen may determine which mounting methods you can use:

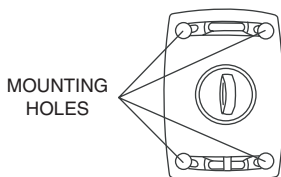
**Wall Mount:** Mounting the antenna directly on the side of a home or building.

**Roof Mount:** Mounting the antenna on the roof of a home or building.

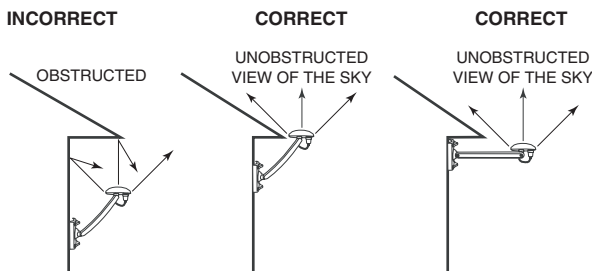
**Mast Mount:** Mounting the antenna on a mast or pole, such as an existing satellite TV dish mast, an existing TV antenna mast, or other mast or pole, not exceeding 2 inches in diameter.

#### *Wall Mount*

The antenna mounting bracket should be oriented in a vertical position (as shown) and mounted directly to the wall of the building or home using the provided #10 screws.



Remember to avoid blocking the antenna's view of the sky as described in the previous section by locating the antenna too high under the eaves or soffit of the home or building.

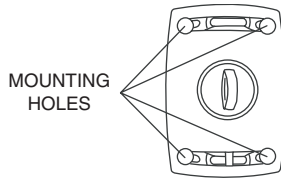


Once you have determined a suitable mounting location, use the mounting bracket as a template and mark the wall with the location of the four screw holes in the bracket. Then, using a 3/32 in. drill bit, drill pilot holes in the wall for the screws and then screw the bracket to the wall.

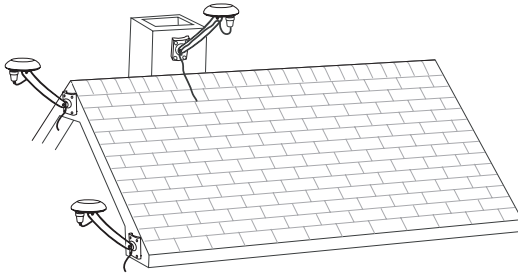
#### *Roof Mount*

When mounting the antenna on the roof of a home or building, mount the antenna as close as possible to the peak of the roof. It can be mounted on the chimney or on the soffit of the home or building. Do not mount it directly on the roof surface to avoid leaks. Remember to avoid blocking the antenna's view of the sky by locating it where a chimney, dormer, gable, etc., may obstruct the view of the sky.





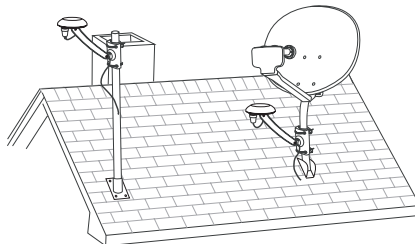
The antenna mounting bracket should be oriented in a vertical position as shown, and mounted directly to the building or home using the provided #10 screws.



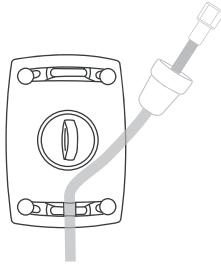
Once you have determined a suitable mounting location, use the mounting bracket as a template and mark the mounting surface with the location of the four screw holes in the mounting bracket. Then, using a 3/32 in. drill bit, drill pilot holes for the screws. It may be necessary to fill the holes with a small amount of roof cement or caulk to insure a watertight installation. Screw the bracket to the mounting surface using the provided #10 screws.

### ***Mast Mount***

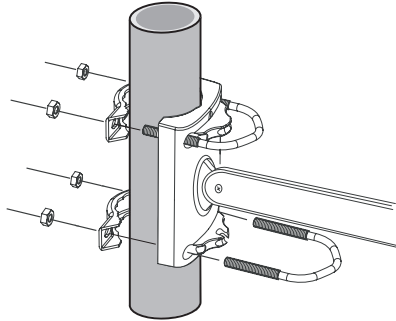
The outdoor antenna can be mounted on most any mast or pole which does not exceed 2 inches in diameter using the provided U-bolts and mounting brackets. If you have a satellite TV dish, the outdoor antenna may be mounted on the same mast as the satellite dish, but remember that the dish cannot obstruct the antenna's view of the sky in the direction which you determined from the map in the previous section.



To mount the antenna to the mast, you will need to use the two provided U-bolts, the two mounting brackets, and the four hex nuts. Keep in mind that the antenna cable is routed under the lower U-bolt, in the slot provided in the antenna base as shown.



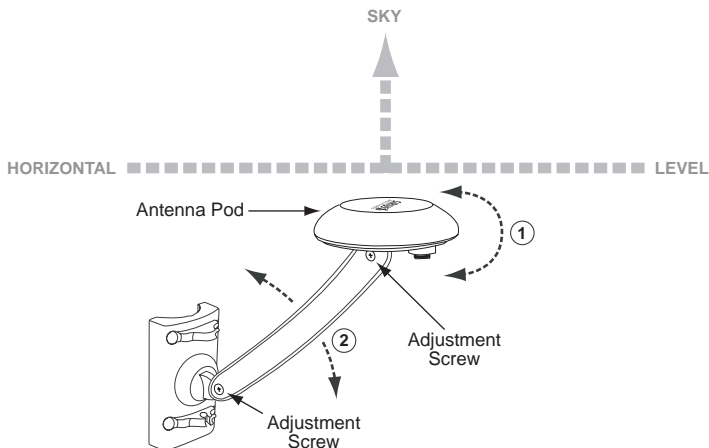
Slide one of the U-bolts through the holes at the top of the mounting bracket. Then slide one of the mounting brackets over the two legs of the U-bolt.



Next, screw the hex nuts on each leg until they are snug. Do not yet tighten the hex nuts beyond finger tight. Repeat this procedure with the other U-bolt. When all the hex nuts are snug, verify that the antenna is facing the correct direction and begin tightening each hex nut with a 3/8" wrench. Turn each hex nut one-half turn and then move to the next hex nut repeating this one-half turn pattern until all the hex nuts are equally tight. Tighten the hex nuts enough so that the antenna is secured to the mast or pole, but do not overtighten them.

## 4. Adjusting and Aiming the Antenna

The pod portion of the antenna (where the SIRIUS logo is printed) needs to be adjusted and aimed so that it is level and horizontal to the sky. There are two possible adjustments that may be made on the antenna to accomplish this: tilting the antenna pod itself (1), and adjusting the antenna support arm (2), as shown.



Slightly loosen the adjustment screws and position the antenna so that the top of the antenna pod is level, with the top of the pod horizontal to the sky as shown. When the antenna is adjusted correctly, tighten the adjustment screws but be careful not to overtighten them.

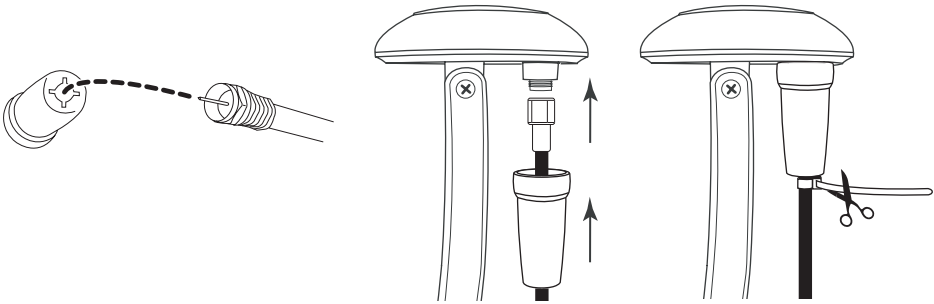
Continue with the installation procedure for your particular configuration:

- **Simple Configuration Installation Procedure (Single LNB, No Multiswitch)** on page 28
- **Before Multiswitch Configuration Installation Procedure** on page 30
- **After Multiswitch Configuration Installation Procedure (Multiswitch on Roof)** on page 32
- **After Multiswitch Configuration Installation Procedure (Multiswitch Inside Home)** on page 34

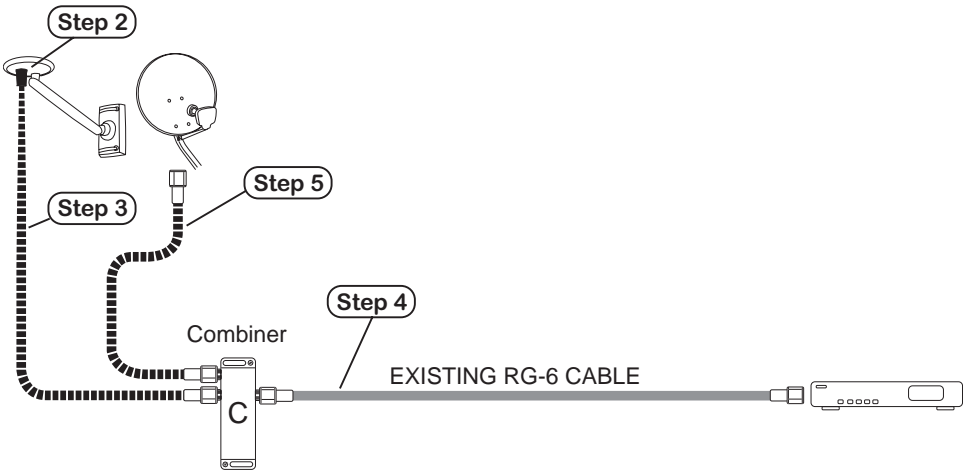
# Simple Configuration Installation Procedure (Single LNB, No Multiswitch)

Once the antenna has been mounted according to the previous instructions, you can continue with the installation of the Combiner and Splitter:

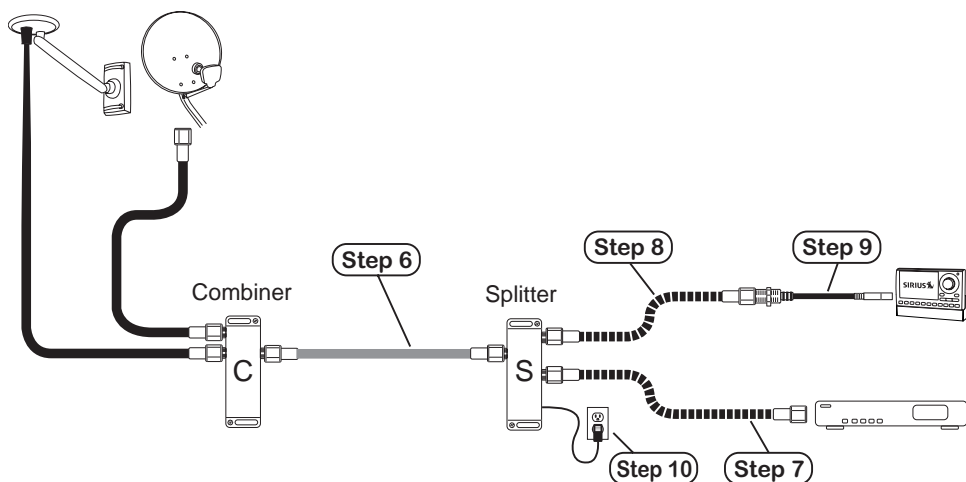
1. Be sure that the satellite TV receiver/tuner is plugged into an AC outlet.
2. Take the RG-6 cable which you purchased to connect to the SIRIUS antenna and thread one end of the cable through the opening in the end of the rubber boot. Then connect the cable to the antenna pod as shown in the illustration following. Slide the rubber boot over the cable connection to provide a weather proof seal and install the cable tie around the cable directly below the rubber boot to prevent the rubber boot from slipping down. Trim off the excess cable tie. Route the remainder of the antenna cable to where you are locating the Combiner. When routing the antenna cable, be careful not to pinch, squash, kink, or crimp the cable, or cut, damage, or puncture the external jacket of the antenna cable.



3. Connect one of the RG-6 cables you purchased from the SIRIUS antenna to the **SIRIUS RADIO** port on the Combiner (SR2261) as shown. (Refer to page 5 for the Combiner port identification.)



4. Disconnect the cable from the satellite dish LNB and connect it to the **COMBINED OUT** port on the Combiner (SR2261) as shown. (Refer to page 5 for the Combiner port identification.)
5. Using another of the RG-6 cables which you purchased, connect it between the satellite dish LNB and the **DBS IN** port on the Combiner (SR2261) as shown. (Refer to page 3 for the Combiner port identification.)



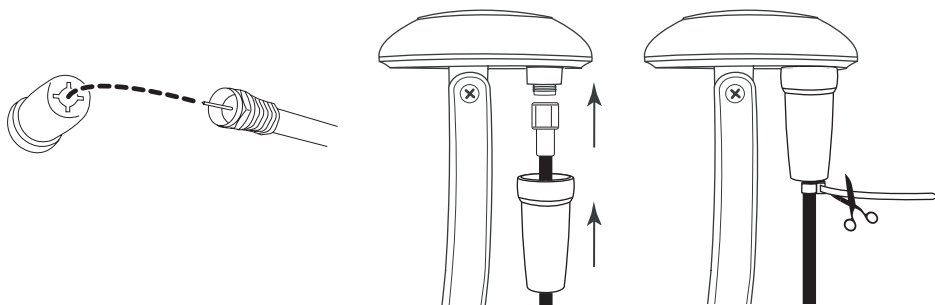
6. Disconnect the existing cable run from the satellite TV receiver/tuner in the room where the SIRIUS radio will be located. Connect this end of the cable to the **COMBINED IN** port on the Splitter (SR2251) as shown. (Refer to page 5 for the Splitter port identification.)
7. Connect another of the RG-6 cables you purchased between your satellite TV receiver/tuner and the **DBS TV** port on the Splitter (SR2251) as shown. (Refer to page 5 for the Splitter port identification.)
8. Connect another of RG-6 cables you purchased between the **SIRIUS OUT** port on the Splitter (SR2251) and the **F** connector end of the supplied RG-174 Adapter cable as shown. (Refer to page 5 for the Splitter port identification.)
9. Connect the other end of the RG-174 Adapter Cable to the **ANT** connection on your SIRIUS radio as shown.
10. Verify that the satellite TV receiver/tuner is plugged into a working AC outlet. Next, connect the provided AC Power Adapter to the **POWER IN** port of the Splitter (SR2251), and plug it into a working AC outlet.

The installation is now complete.

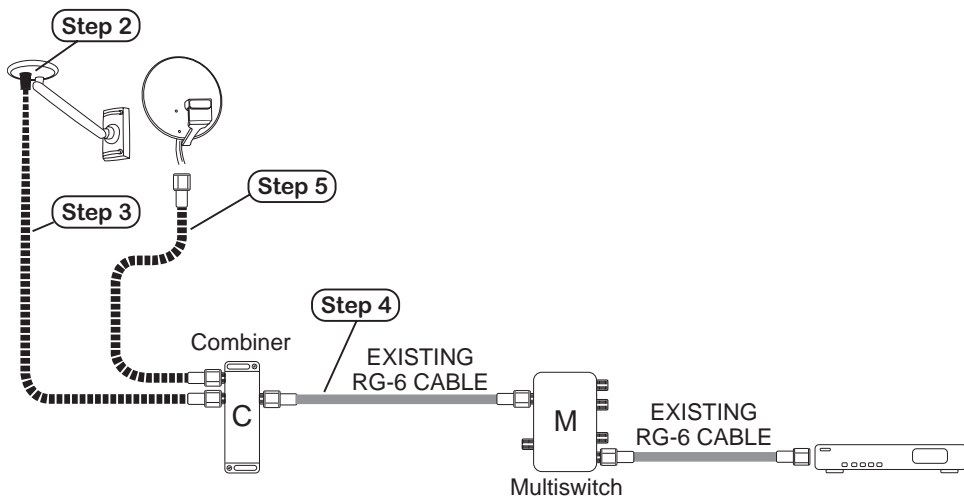
## Before Multiswitch Configuration Installation Procedure

Once the antenna has been mounted according to the previous instructions, you can continue with the installation of the Combiner and Splitter:

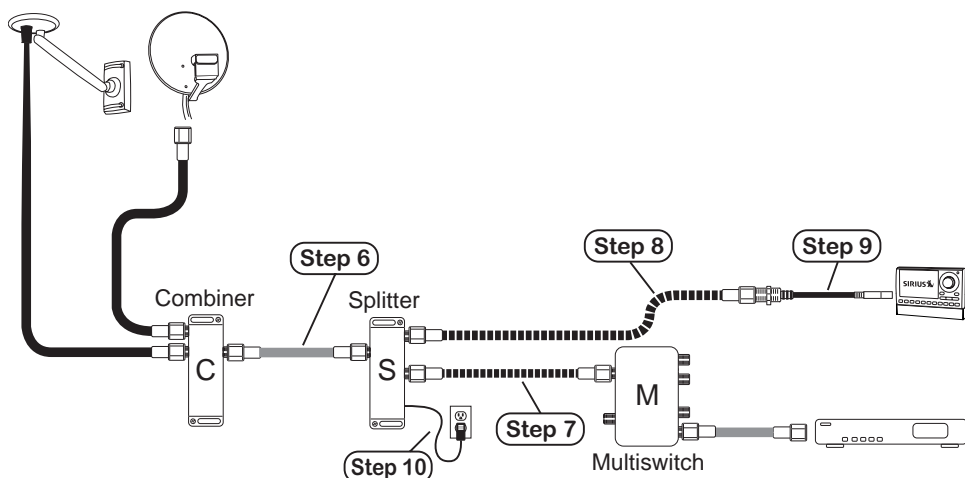
1. Be sure that the satellite TV receiver/tuner is plugged into an AC outlet.
2. Take the RG-6 cable which you purchased to connect to the SIRIUS antenna and thread one end of the cable through the opening in the end of the rubber boot. Then connect the cable to the antenna pod as shown in the illustration following. Slide the rubber boot over the cable connection to provide a weather proof seal and install the cable tie around the cable directly below the rubber boot to prevent the rubber boot from slipping down. Trim off the excess cable tie. Route the remainder of the antenna cable to where you are locating the Combiner. When routing the antenna cable, be careful not to pinch, squash, kink, or crimp the cable, or cut, damage, or puncture the external jacket of the antenna cable.



3. Connect one of the RG-6 cables you purchased from the SIRIUS antenna to the **SIRIUS RADIO** port on the Combiner (SR2261) as shown. (Refer to page 5 for the Combiner port identification.)



4. Disconnect the cable from the satellite dish LNB and connect it to the **COMBINED OUT** port on the Combiner (SR2261) as shown. (Refer to page 5 for the Combiner port identification.)
5. Using one of the RG-6 cables which you purchased, connect it between the satellite dish LNB and the **DBS IN** port on the Combiner (SR2261) as shown. (Refer to page 5 for the Combiner port identification.)



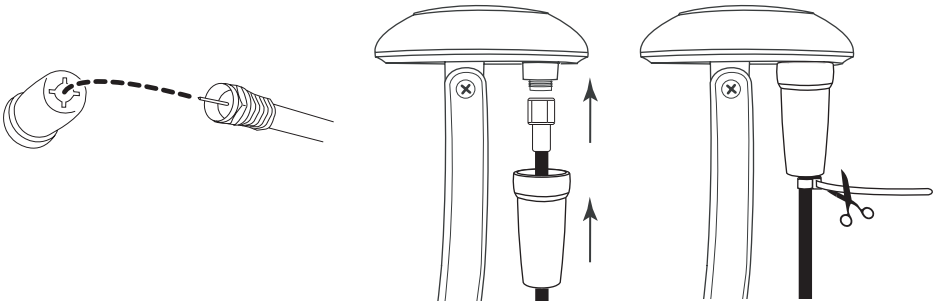
6. Disconnect the existing cable run from the multiswitch and connect this end of the cable to the **COMBINED IN** port on the Splitter (SR2251) as shown. (Refer to page 5 for the Splitter port identification.)
7. Connect another of the RG-6 cables you purchased between the multiswitch and the **DBS TV** port on the Splitter (SR2251) as shown. (Refer to page 5 for the Splitter port identification.)
8. Connect another of RG-6 cables you purchased between the **SIRIUS OUT** port on the Splitter (SR2251) and the **F** connector end of the supplied RG-174 Adapter cable as shown. (Refer to page 5 for the Splitter port identification.)
9. Connect the other end of the RG-174 Adapter Cable to the **ANT** connection on your SIRIUS radio as shown.
10. Verify that the satellite TV receiver/tuner is plugged into a working AC outlet. Next, connect the provided AC Power Adapter to the **POWER IN** port of the Splitter (SR2251), and plug it into a working AC outlet.

The installation is now complete.

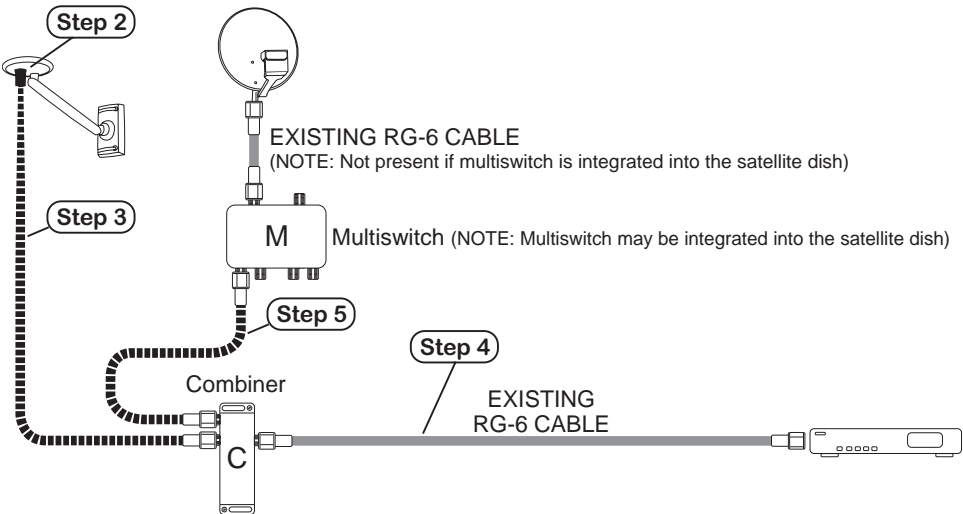
# After Multiswitch Configuration Installation Procedure (Multiswitch on Roof)

Once the antenna has been mounted according to the previous instructions, you can continue with the installation of the Combiner and Splitter:

1. Be sure that the satellite TV receiver/tuner is plugged into an AC outlet.
2. Take the RG-6 cable which you purchased to connect to the SIRIUS antenna and thread one end of the cable through the opening in the end of the rubber boot. Then connect the cable to the antenna pod as shown in the illustration following. Slide the rubber boot over the cable connection to provide a weather proof seal and install the cable tie around the cable directly below the rubber boot to prevent the rubber boot from slipping down. Trim off the excess cable tie. Route the remainder of the antenna cable to where you are locating the Combiner. When routing the antenna cable, be careful not to pinch, squash, kink, or crimp the cable, or cut, damage, or puncture the external jacket of the antenna cable.

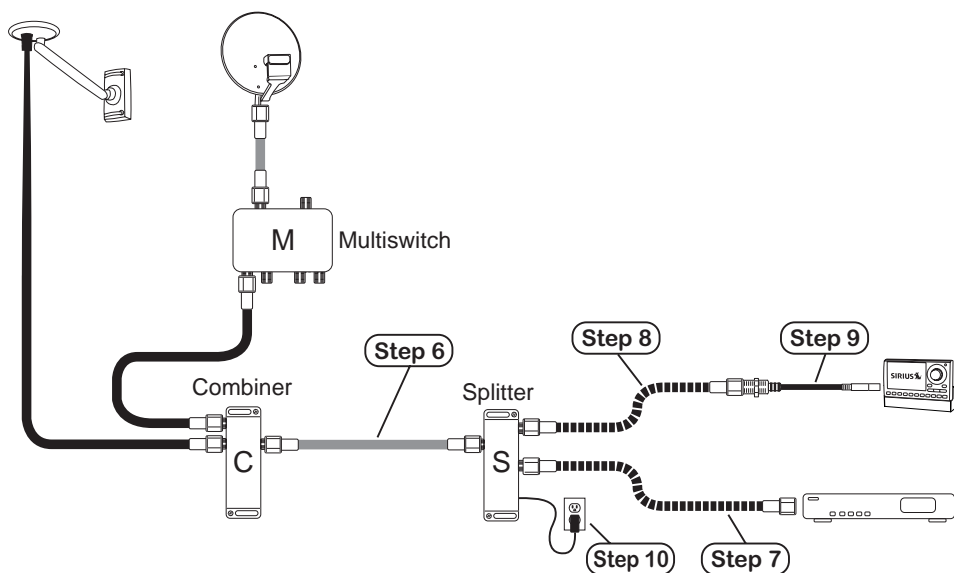


3. Connect one of the RG-6 cables you purchased from the SIRIUS antenna to the **SIRIUS RADIO** port on the Combiner (SR2261) as shown. (Refer to page 5 for the Combiner port identification.)





4. Disconnect the cable from the multiswitch and connect it to the **COMBINED OUT** port on the Combiner (SR2261) as shown. (Refer to page 5 for the Combiner port identification.)
5. Using one of the RG-6 cables which you purchased, connect it between the multiswitch and the **DBS IN** port on the Combiner (SR2261) as shown. (Refer to page 5 for the Combiner port identification.)



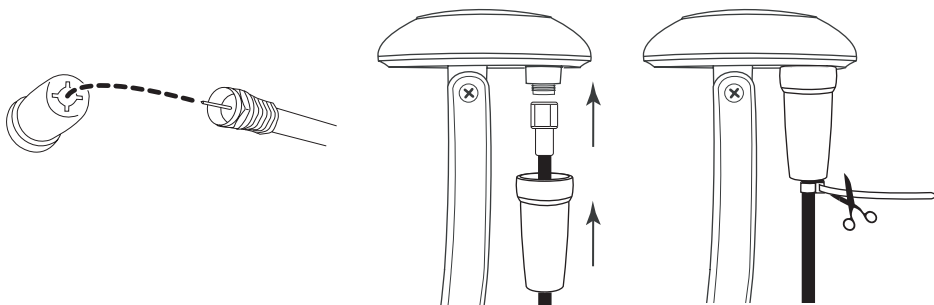
6. Disconnect the existing cable run from the satellite TV receiver/tuner and connect this end of the cable to the **COMBINED IN** port on the Splitter (SR2251) as shown. (Refer to page 5 for the Splitter port identification.)
7. Connect another of the RG-6 cables you purchased between the satellite TV receiver/tuner and the **DBS TV** port on the Splitter (SR2251) as shown. (Refer to page 5 for the Splitter port identification.)
8. Connect another of RG-6 cables you purchased between the **SIRIUS OUT** port on the Splitter (SR2251) and the **F** connector end of the supplied RG-174 Adapter cable as shown. (Refer to page 5 for the Splitter port identification.)
9. Connect the other end of the RG-174 Adapter Cable to the **ANT** connection on your SIRIUS radio as shown.
10. Verify that the satellite TV receiver/tuner is plugged into a working AC outlet. Next, connect the provided AC Power Adapter to the **POWER IN** port of the Splitter (SR2251), and plug it into a working AC outlet.

The installation is now complete.

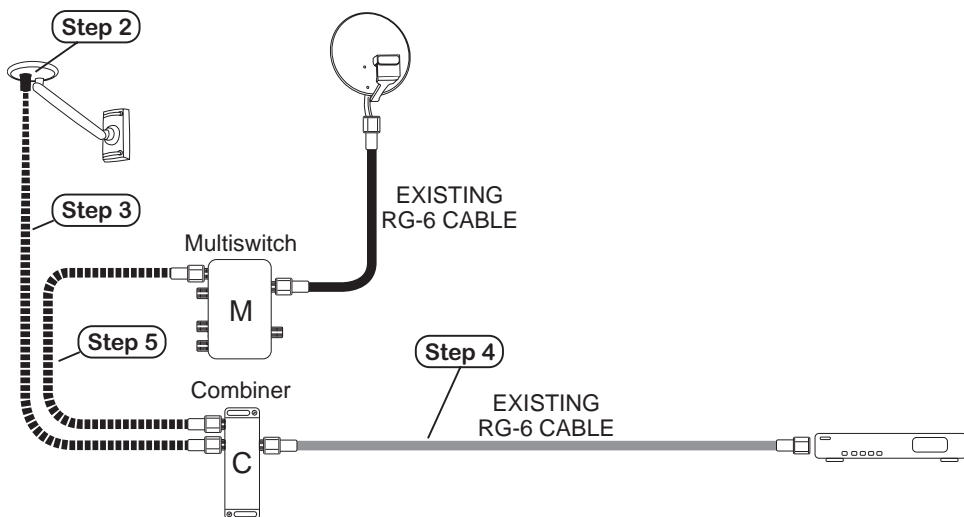
## After Multiswitch Configuration Installation Procedure (Multiswitch Inside Home)

Once the antenna has been mounted according to the previous instructions, you can continue with the installation of the Combiner and Splitter:

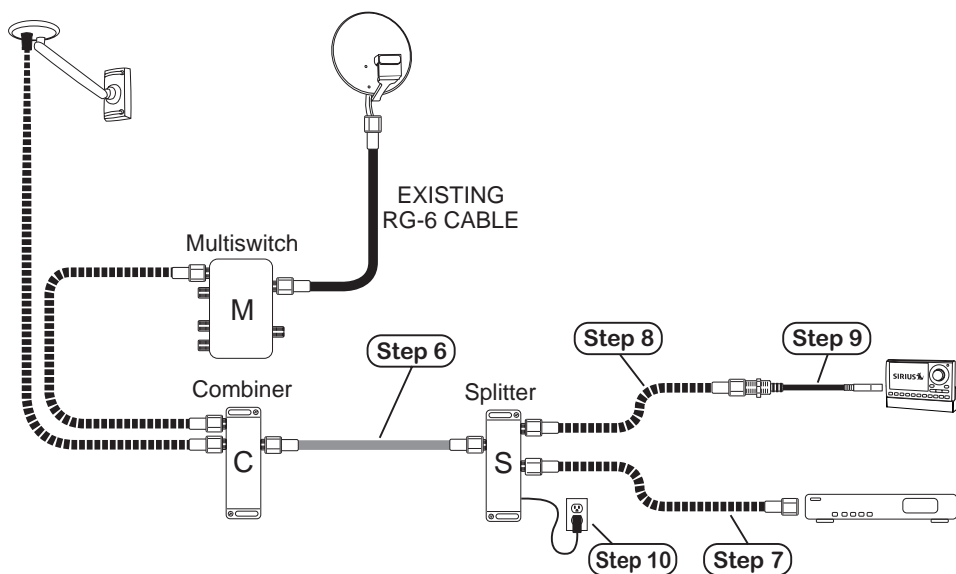
1. Be sure that the satellite TV receiver/tuner is plugged into an AC outlet.
2. Take the RG-6 cable which you purchased to connect to the SIRIUS antenna and thread one end of the cable through the opening in the end of the rubber boot. Then connect the cable to the antenna pod as shown in the illustration following. Slide the rubber boot over the cable connection to provide a weather proof seal and install the cable tie around the cable directly below the rubber boot to prevent the rubber boot from slipping down. Trim off the excess cable tie. Route the remainder of the antenna cable to where you are locating the Combiner. When routing the antenna cable, be careful not to pinch, squash, kink, or crimp the cable, or cut, damage, or puncture the external jacket of the antenna cable.



3. Connect one of the RG-6 cables you purchased from the SIRIUS antenna to the **SIRIUS RADIO** port on the Combiner (SR2261) as shown. (Refer to page 5 for the Combiner port identification.)



4. Disconnect the cable from the multiswitch and connect it to the **COMBINED OUT** port on the Combiner (SR2261) as shown. (Refer to page 5 for the Combiner port identification.)
5. Using one of the RG-6 cables which you purchased, connect it between the multiswitch and the **DBS IN** port on the Combiner (SR2261) as shown. (Refer to page 5 for the Combiner port identification.)



6. Disconnect the existing cable run from the satellite TV receiver/tuner and connect this end of the cable to the **COMBINED IN** port on the Splitter (SR2251) as shown. (Refer to page 5 for the Splitter port identification.)
7. Connect another of the RG-6 cables you purchased between the satellite TV receiver/tuner and the **DBS TV** port on the Splitter (SR2251) as shown. (Refer to page 5 for the Splitter port identification.)
8. Connect another of RG-6 cables you purchased between the **SIRIUS OUT** port on the Splitter (SR2251) and the **F** connector end of the supplied RG-174 Adapter cable as shown. (Refer to page 5 for the Splitter port identification.)
9. Connect the other end of the RG-174 Adapter Cable to the **ANT** connection on your SIRIUS radio as shown.
10. Verify that the satellite TV receiver/tuner is plugged into a working AC outlet. Next, connect the provided AC Power Adapter to the **POWER IN** port of the Splitter (SR2251), and plug it into a working AC outlet.

The installation is now complete.

# Troubleshooting

**SIRIUS radio displays “Antenna Error” or “Check Antenna” message.**

Check the antenna cable connections to be sure they are connected tightly.

**SIRIUS radio displays “No Signal” or “Acquiring Signal” message.**

The radio is not receiving a good SIRIUS signal. Check that the antenna has a clear view of the sky, and that the antenna is pointed in the direction of the SIRIUS satellites. (See the section titled, *Antenna Installation*.)

# Antenna Specifications

## Electrical Specifications

Frequency.....	2320 to 2332.5 MHz
LNA Current Drain .....	160 mA, maximum

## Mechanical Specifications

Radome Diameter .....	95mm
Arm Length.....	8 inches
Material.....	AES
Antenna Connector.....	“F” type, female
Weight .....	1.75 lbs.
Temperature Range.....	-40°C to +85°C

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**Notes:**

**Notes:**

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**AUDIOVOX®****SSDK1**

## **90 DAY LIMITED WARRANTY**

### *Satellite Radio Accessory*

AUDIOVOX ELECTRONICS CORPORATION (the Company) warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 90 days from the date of original purchase, such defect(s) will be repaired or replaced with new or reconditioned product (at the Company's option) without charge for parts and repair labor.

To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to an approved warranty station or the Company at the address shown below.

This Warranty does not extend to the elimination of externally generated static or noise, to costs incurred for installation, removal or reinstallation of the product, damage to speakers, accessories, or vehicle and home electrical systems, malfunction of satellite transmissions, repeater signal or receiver unit.

This Warranty does not apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s). THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

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